

[54] **DISPLAY AND INPUT DEVICE**

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[56] **References Cited**

U.S. PATENT DOCUMENTS

4,648,062	3/1987	Johnson	340/712
4,774,590	9/1988	Haganuma	358/280
4,803,463	2/1989	Sado	340/712
4,804,950	2/1989	Moon	340/712

OTHER PUBLICATIONS

Japanese Patent Application No. 61-126643, by
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[57] **ABSTRACT**

This invention is a display and input device, which is used in combined equipment incorporating a number of equipment (for example, a copier, a facsimile machine, a printer or a scanner) having independent operational functions. This display and input device comprises a transparent touch panel having a flat display and is designed so that the picture image information is displayed step by step by the display unit. When a device which incorporates a number of types of equipment having independent operational functions is operated and the picture image information is executed, the display unit changes to display a number of display modes in a certain operating mode according to the input operation for this input unit. Since, at this time, the inputted operation information for the display mode prior to the change is displayed in the display mode after the change, such as pre-operational inputted information display in a message field, the operator of the device can execute an input operation while checking the information he has already inputted. The checking of this information is simple and the operation can be correctly executed.

4 Claims, 8 Drawing Sheets

